

## TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT

(Under 37 CFR 1.97(d))

Docket No.

04150012AA

In Re Application Of:

Hayashi et al.

Application No.

09-853,622

Filing Date

5-14-01

Examiner

Renner, Craig A

Customer No.

30743

Group Art Unit

2652

Confirmation No.

7276

Title: METHOD OR SMOOTHING A BARRIER LAYER IN A MAGNETORESISTIVE EFFECT SENSOR BY SMOOTHING A LAYER UPON WHICH THE BARRIER LAYER IS FORMED, AND SENSOR HAVING A BARRIER LAYER FORMED UPON A SMOOTHED LAYER

Address to:

Commissioner for Patents

The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(c), and on or before payment of the issue fee, and is accompanied by the Statement as specified in 37 CFR 1.97(e) and the fee set forth in 37 CFR 1.17(p).

- ☒ A check in the amount of \$180.00 is attached.
- ☐ Charge Deposit Account No. in the amount of
- ☐ Payment by credit card. Form PTO-2038 is attached.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of

Hayashi et al.

Serial No. 09/853,622

Group Art Unit: 2652

Filed: 5-14-01

Examiner: Renner, Craig A

**For: METHOD OR SMOOTHING A BARRIER LAYER IN A  
MAGNETORESISTIVE EFFECT SENSOR BY SMOOTHING A LAYER UPON  
WHICH THE BARRIER LAYER IS FORMED, AND SENSOR HAVING A  
BARRIER LAYER FORMED UPON A SMOOTHED LAYER**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, Va. 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

A Notice of Allowance was issued on January 25, 2005. The issue fee has not yet been paid. Under the provisions of 37 C.F.R. 1.97 through 1.98 and pursuant to applicant's duty of disclosure under 37 C.F.R. 1.56, applicant respectfully brings the following documents, cited in a Japanese Office Action and listed on the attached form PTO-1449, to the attention of the Examiner in charge of the above-identified application. Copies of the listed documents are provided herewith for the convenience of the Examiner.

This citation does not constitute an admission that the references are relevant or material to the claims. They are only cited as constituting related art of which the applicant is aware

I hereby certify that each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to filing of this statement.

It is respectfully requested that the listed references be formally made of record in the application. A fee in the amount of \$180.00 is needed to satisfy the fee for entry consideration of the Information Disclosure Statement. Please charge any deficiencies in fees and credit any overpayment of fees to Attorney's Deposit Account No. 50-2041.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Michael E. Whitham", written in a cursive style.

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OIPE  
 FEB 18 2005  
 INFORMATION DISCLOSURE CITATION  
 (Use several sheets if necessary)

Docket Number (Optional) <b>04150012AA</b>		Application Number <b>09 853.622</b>
Applicant(s) <b>Hayashi et al.</b>		
Filing Date <b>5-14-01</b>	Group Art Unit <b>2652</b>	

**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

**U.S. PATENT APPLICATION PUBLICATIONS**

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

**FOREIGN PATENT DOCUMENTS**

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)

	1	Japanese Office Action dated January 25, 2005 with English translation of pertinent portions

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.